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L2: Entry 13 of 28

File: USPT

May 9, 2000

US-PAT-NO: 6060302

DOCUMENT-IDENTIFIER: US 6060302 A

TITLE: Human phospholipase C-.alpha. and DNA sequence encoding the same

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hirano; Naoto				
	Hongo 7-chome, Bunkyo-ku			JP
Hirai; Hisamaru	Tokyo			JP

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Shionogi & Co., Ltd.	Osaka			JP	03
Hirano; Naoto	Tokyo			JP	05

APPL-NO: 08/ 627907 [PALM]

DATE FILED: March 22, 1996

PARENT-CASE:

This application is a 371 PCT/JP94/01572 filed Sep. 22, 1994.

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	5-238402	September 24, 1993

PCT-DATA:

APPL-NO	DATE-FILED	PUB-NO	PUB-DATE	371-DATE	102(E)-DATE
PCT/JP94/01572	September 22, 1994	WO95/08624	Mar 30, 1995	Mar 22, 1996	Mar 22, 1996

INT-CL: [07] C07 K 14/00, C12 N 15/63, C12 N 1/20, C12 N 15/00

US-CL-ISSUED: 435/252.3; 530/350, 536/23.1, 536/23.2, 536/23.5, 435/69.1, 435/196, 435/198, 435/199, 435/252.33, 435/320.1

US-CL-CURRENT: 435/252.3; 435/196, 435/198, 435/199, 435/252.33, 435/320.1, 435/69.1, 530/350, 536/23.1, 536/23.2, 536/23.5

FIELD-OF-SEARCH: 435/199, 435/198, 435/196, 536/23.1, 536/23.2, 536/23.5, 435/6, 435/69.1, 435/252.3, 435/252.33, 435/320.1, 424/94.6, 514/17, 530/350

PRIOR-ART-DISCLOSED:

OTHER PUBLICATIONS

- C. F. Bennett et al., "Molecular Cloning and Complete Amino-Acid Sequence of Form-I Phosphoinositide-specific Phospholipase C," *Nature*, 334, pp. 268-270 (1988).
- R. B. Freedman, "Protein Disulfide Isomerase: Multiple Roles in the Modification of Nascent Secretory Proteins," *Cell*, 57, pp. 1069-1072 (1989).
- W. M. Hempel et al., "Expression of Phospholipase C Isozymes By Murine B Lymphocytes," *J. Immunology*, 146, pp. 3713-3720 (1991).
- H. Hirai et al., "SH2 Mutants of c-src That Are Host Dependent For Transformation Are trans-Dominant Inhibitors of Mouse Cell Transformation By Activated c-src," *Genes & Development*, 4, pp. 2342-2352 (1990).
- H. Hirai et al., "Site-Directed Mutagenesis of the SH2- and SH3-Coding Domains of c-src Produces Varied Phenotypes, Including Oncogenic Activation of p60.sup.c-src," *Molecular & Cellular Biol.*, 10, pp. 1307-1318 (1990).
- H. Hirai et al., "Mutations in src Homology Regions 2 and 3 of Activated Chicken c-src That Result in Preferential Transformation of Mouse or Chicken Cells," *Proc. Natl. Acad. Sci.*, 87, 8592-8596 (1990).
- N. Hirano et al., "Cloning of Bovine PLC-.alpha. and Biological Significance Thereof," *Extended Abstracts: The 15th Annual Meeting of the Japanese Society of Molecular Biology*, 4L-23 (1993). (partial English translation provided).
- A. Holmgren, "Thioredoxin Glutaredoxin Systems," *J. Biol. Chem.*, 264, pp. 13963-13966 (1989).
- Y. Takagi et al., "Confirmation of Gene," *Experimentation Methods for Gene Manipulation*, p. 167 (1980). (partial English translation provided).

ART-UNIT: 184

PRIMARY-EXAMINER: Wax; Robert A.

ASSISTANT-EXAMINER: Saidha; Tekchand

ATTY-AGENT-FIRM: Fish & Neave Haley, Jr.; James F.

ABSTRACT:

Genes encoding a human PLC-.alpha. polypeptide are provided. An expression vector containing these genes and a transformant having the expression vector are provided. The human PLC-.alpha. polypeptide can be produced by cultivating the transformant. The human PLC-.alpha. polypeptide is useful as an anti-inflammatory agent. Furthermore, a measurement system for conducting clinical evaluation of canceration can be constructed by using the PLC-.alpha. polypeptide.

5 Claims, 5 Drawing figures

[Previous Doc](#)

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Search Results - Record(s) 1 through 10 of 28 returned.

☐ 1. Document ID: US 20040241793 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 28

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040241793

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040241793 A1

TITLE: Isolated human phospholipase proteins, nucleic acid molecules encoding human phospholipase proteins, and uses thereof

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yan, Chunhua	Boyd's	MD	US	
Ketchum, Karen A.	Germantown	MD	US	
Di Francesco, Valentina	Rockville	MD	US	
Beasley, Ellen M.	Darnestown	MD	US	

US-CL-CURRENT: [435/69.1](#); [435/196](#), [435/320.1](#), [435/325](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMAC	Drawings
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☐ 2. Document ID: US 20040131632 A1

L2: Entry 2 of 28

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040131632

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040131632 A1

TITLE: Therapeutic formulations containing venom or venom anti-serum either alone or in combination for the therapeutic prophylaxis and therapy of neoplasms

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Shanahan-Prendergast, Elizabeth	Straffan		IE	

US-CL-CURRENT: 424/184.1; 424/94.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20040033526 A1

L2: Entry 3 of 28

File: PGPB

Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040033526

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040033526 A1

TITLE: Isolated human phospholipase proteins, nucleic acid molecules encoding human phospholipase proteins, and uses thereof

PUBLICATION-DATE: February 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Guegler, Karl	Menlo Park	CA	US	
Beasley, Ellen M.	Darnestown	MD	US	
Ketchum, Karen A.	Germantown	MD	US	
Di Francesco, Valentina	Rockville	MD	US	

US-CL-CURRENT: 435/6; 435/196, 435/320.1, 435/325, 435/69.1, 530/388.26, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 20040029246 A1

L2: Entry 4 of 28

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040029246

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040029246 A1

TITLE: Isolated human phospholipase proteins, nucleic acid molecules encoding human phospholipase proteins, and uses thereof

PUBLICATION-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Beasley, Ellen M.	Darnestown	MD	US	
Yan, Chunhua	Boyds	MD	US	
Di Francesco, Valentina	Rockville	MD	US	

US-CL-CURRENT: 435/198; 435/320.1, 435/325, 435/456, 435/6, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 20030225011 A1

L2: Entry 5 of 28

File: PGPB

Dec 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030225011

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030225011 A1

TITLE: Phospholipase A2 expression and activity and use thereof for diagnosis, prognostication, prevention and treatment of neural inflammatory and demyelinating disease.

PUBLICATION-DATE: December 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
David, Samuel	Dorval		CA	
Kalyvas, Athena	Pierrefonds		CA	

US-CL-CURRENT: 514/44; 435/21, 435/6, 514/141, 514/675

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 6. Document ID: US 20030175277 A1

L2: Entry 6 of 28

File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030175277

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030175277 A1

TITLE: THERAPEUTIC FORMULATIONS CONTAINING VENOM OR VENOM ANTI-SERUM EITHER ALONE OR IN COMBINATION FOR THE THERAPEUTIC PROPHYLAXIS AND THERAPY OF NEOPLASMS

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
SHANAHAN-PRENDERGAST, ELIZABETH	COUNTY KILDARE		IE	

US-CL-CURRENT: 424/146.1; 424/94.6, 435/196, 435/70.21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 7. Document ID: US 20030162278 A1

L2: Entry 7 of 28

File: PGPB

Aug 28, 2003

PGPUB-DOCUMENT-NUMBER: 20030162278

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030162278 A1

TITLE: ISOLATED HUMAN PHOSPHOLIPASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHOLIPASE PROTEINS, AND USES THEREOF

PUBLICATION-DATE: August 28, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Beasley, Ellen M.	Darnestown	MD	US	
Yan, Chunhua	Boyds	MD	US	
Di Francesco, Valentina	Rockville	MD	US	

US-CL-CURRENT: 435/196; 435/320.1, 435/325, 435/6, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Ds
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☐ 8. Document ID: US 20020155572 A1

L2: Entry 8 of 28

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020155572
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020155572 A1

TITLE: Isolated human phospholipase proteins, nucleic acid molecules encoding human phospholipase proteins, and uses thereof

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Guegler, Karl	Menlo Park	CA	US	
Beasley, Ellen M.	Darnestown	MD	US	
Ketchum, Karen A.	Germantown	MD	US	
Di Francesco, Valentina	Rockville	MD	US	

US-CL-CURRENT: 435/197; 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Ds
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☐ 9. Document ID: US 20020034806 A1

L2: Entry 9 of 28

File: PGPB

Mar 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020034806
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020034806 A1

TITLE: ISOLATED HUMAN PHOSPHOLIPASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHOLIPASE PROTEINS, AND USES THEREOF

PUBLICATION-DATE: March 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Guegler, Karl	Menlo Park	CA	US	
Beasley, Ellen M.	Darnestown	MD	US	
Ketchum, Karen A.	Germantown	MD	US	
Di Francesco, Valentina	Rockville	MD	US	

US-CL-CURRENT: 435/196; 435/325, 435/6, 435/69.1, 435/7.1, 530/388.1, 536/23.2, 800/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWNC	Draw Ds
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☐ 10. Document ID: US 6410325 B1

L2: Entry 10 of 28

File: USPT

Jun 25, 2002

US-PAT-NO: 6410325

DOCUMENT-IDENTIFIER: US 6410325 B1

TITLE: Antisense modulation of phospholipase A2, group VI (Ca²⁺--independent) expression

DATE-ISSUED: June 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bennett; C. Frank	Carlsbad	CA		
Freier; Susan M.	San Diego	CA		
Watt; Andrew T.	Vista	CA		

US-CL-CURRENT: 435/375; 435/366, 435/6, 435/91.1, 536/23.1, 536/24.31, 536/24.33, 536/24.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWNC	Draw Ds
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28

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L2: Entry 9 of 28

File: PGPB

Mar 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020034806
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020034806 A1

TITLE: ISOLATED HUMAN PHOSPHOLIPASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHOLIPASE PROTEINS, AND USES THEREOF

PUBLICATION-DATE: March 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Guegler, Karl	Menlo Park	CA	US	
Beasley, Ellen M.	Darnestown	MD	US	
Ketchum, Karen A.	Germantown	MD	US	
Di Francesco, Valentina	Rockville	MD	US	

APPL-NO: 09/ 738884 [\[PALM\]](#)
DATE FILED: December 18, 2000

RELATED-US-APPL-DATA:

Application is a non-provisional-of-provisional application 60/232632, filed September 14, 2000,

INT-CL: [07] [C12 N 9/16](#), [C12 P 21/02](#), [C12 N 5/06](#), [A01 K 67/00](#), [C12 Q 1/68](#), [G01 N 33/53](#), [C07 H 21/04](#)

US-CL-PUBLISHED: 435/196; 530/388.1, 536/23.2, 435/6, 435/7.1, 435/69.1, 435/325, 800/8

US-CL-CURRENT: [435/196](#); [435/325](#), [435/6](#), [435/69.1](#), [435/7.1](#), [530/388.1](#), [536/23.2](#), [800/8](#)

REPRESENTATIVE-FIGURES: NONE

ABSTRACT:

The present invention provides amino acid sequences of peptides that are encoded by genes within the human genome, the phospholipase peptides of the present invention. The present invention specifically provides isolated peptide and nucleic acid molecules, methods of identifying orthologs and paralogs of the phospholipase peptides, and methods of identifying modulators of the phospholipase peptides.

RELATED APPLICATIONS

[0001] The present application claims priority to Provisional Application U.S. Serial No. 60/232,632, filed Sep. 14, 2000 (Atty. Docket CL000849-PROV).

WEST Search History

DATE: Tuesday, March 29, 2005

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		<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L5	l2 and dna	16
<input type="checkbox"/>	L4	l3 and dna	189
<input type="checkbox"/>	L3	435/198.ccls.	458
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L2	human phospholipase.clm.	28
<input type="checkbox"/>	L1	nucleic acid and human phospholipase	218

END OF SEARCH HISTORY

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FILE 'EMBASE' ENTERED AT 17:54:40 ON 29 MAR 2005

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=> human phospholipase and dna

HUMAN IS NOT A RECOGNIZED COMMAND

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"HELP COMMANDS" at an arrow prompt (=>).

=> s human phospholipase and dna

L1 131 HUMAN PHOSPHOLIPASE AND DNA

=> dup rem l1

PROCESSING COMPLETED FOR L1

L2 112 DUP REM L1 (19 DUPLICATES REMOVED)

=> s l2 and 1995-2001/py

1 FILES SEARCHED...

L3 45 L2 AND 1995-2001/PY

=> focus l3

PROCESSING COMPLETED FOR L3

L4 45 FOCUS L3 1-

=> d l4 1-10 ibib ab

L4 ANSWER 1 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1995:662482 HCAPLUS Full-text

DOCUMENT NUMBER: 123:51074

TITLE: Human phospholipase C- α and
DNA sequence coding for the same

INVENTOR(S): Hirano, Naoto; Hirai, Hisamaru

PATENT ASSIGNEE(S): Shionogi and Co., Ltd., Japan

SOURCE: PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9508624	A1	19950330	WO 1994-JP1572	19940922

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W: JP, US

RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

EP 731164 A1 19960911 EP 1994-927098 19940922
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,
SE
US 6060302 A 20000509 US 1996-627907 19960322
<--

PRIORITY APPLN. INFO.: JP 1993-238402 A 19930924
WO 1994-JP1572 W 19940922

AB The invention provides a gene coding for a **human phospholipase C- α** (PLC- α), an expression vector containing the gene, and a transformant containing the vector. A human PLC- α is produced by culturing the transformant. The polypeptide is useful as an antiinflammatory and can be used as a parameter for clin. evaluation of canceration.

L4 ANSWER 2 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:111435 HCAPLUS Full-text
DOCUMENT NUMBER: 134:158483
TITLE: Cloning and expression of a **human phospholipase D2** gene and diagnostic and therapeutic uses of gene and protein
INVENTOR(S): Steed, Paul Michael; Lasala, Daniel James
PATENT ASSIGNEE(S): Novartis Ag, Switz.
SOURCE: U.S., 31 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6187559	B1	20010213	US 1998-141206	19980828

<--
PRIORITY APPLN. INFO.: US 1997-57802P P 19970828

AB The invention relates to novel genes for **human phospholipase D (PLD2)**, proteins produced by the gene, variants of PLD2, antibodies to the protein, assays using the protein and antibodies, and methods of treating PLD-dependent diseases using the compns. of the invention. Two splice variants of the enzyme are described. Manufacture of the enzyme in prokaryotic and eukaryotic expression systems and methods of purifying it are discussed.

REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 3 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:730813 HCAPLUS Full-text
DOCUMENT NUMBER: 135:284027
TITLE: **Human phospholipase 11** and its cDNA and therapeutic use thereof
INVENTOR(S): Mao, Yumin; Xie, Yi
PATENT ASSIGNEE(S): Biowindow Gene Development Inc. Shanghai, Peop. Rep. China
SOURCE: PCT Int. Appl., 38 pp.

DOCUMENT TYPE: CODEN: PIXXD2
LANGUAGE: Patent
FAMILY ACC. NUM. COUNT: Chinese
PATENT INFORMATION: 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001072820	A1	20011004	WO 2001-CN521	20010326

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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CN 1315548	A	20011003	CN 2000-115264	20000329
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AU 2001060030	A5	20011008	AU 2001-60030	20010326
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PRIORITY APPLN. INFO.: CN 2000-115264 A 20000329
WO 2001-CN521 W 20010326

AB The invention provides cDNA sequences of a novel **human phospholipase 11** (11 kDa) cloned from human embryonic brain. The invention also relates to constructing the cloned gene expression vectors to prepare its recombinant protein using E.coli cells or eukaryotic cells. Methods of expressing and preparing the above recombinant protein and its antibody are described. Methods of using related gene or protein products for the treatment of various kinds of diseases, such as cancer, blood diseases, HIV infection, immune diseases and inflammation are also disclosed. Methods for screening for related analogs, agonists, inhibitors and antagonists to be used as therapeutic drugs are also described.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 4 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2001:730801 HCAPLUS Full-text

DOCUMENT NUMBER: 135:284017

TITLE: **Human phospholipase 10** and its
cDNA and therapeutic use thereof

INVENTOR(S): Mao, Yumin; Xie, Yi

PATENT ASSIGNEE(S): Shanghai Biowindow Gene Development Inc., Peop. Rep.
China

SOURCE: PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001072808	A1	20011004	WO 2001-CN467	20010326
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CN 1315547	A	20011003	CN 2000-115239	20000328
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AU 2001056086	A5	20011008	AU 2001-56086	20010326
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PRIORITY APPLN. INFO.: CN 2000-115239 A 20000328
WO 2001-CN467 W 20010326

AB The invention provides cDNA sequences of a novel human phospholipase 10 (10 kDa) cloned from human embryonic brain. The invention also relates to constructing the cloned gene expression vectors to prepare its recombinant protein using E.coli cells or eukaryotic cells. Methods of expressing and preparing the above recombinant protein and its antibody are described. Methods of using related gene or protein products for the treatment of various kinds of diseases, such as cancer, blood diseases, HIV infection, immune diseases and inflammation are also disclosed. Methods for screening for related analogs, agonists, inhibitors and antagonists to be used as therapeutic drugs are also described.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2001:545719 HCAPLUS Full-text

DOCUMENT NUMBER: 135:133108

TITLE: Novel human phospholipase A2-like proteins identified by sequence similarity and their therapeutic use

INVENTOR(S): Boyle, Bryan J.; Drmanac, Radoje T.; Kuo, Chiauyun; Arterburn, Matthew C.; Tang, Y. Tom; Liu, Chenghua

PATENT ASSIGNEE(S): Hyseq, Inc., USA

SOURCE: PCT Int. Appl., 201 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 111

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001053326	A1	20010726	WO 2000-US34977	20001222

<--

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,

LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
 SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
 YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 AU 2001025918 A5 20010731 AU 2001-25918 20001222
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 AU 2001025965 A5 20010731 AU 2001-25965 20001222
 <--
 US 2003100746 A1 20030529 US 2002-114500 20020401
 US 2005059073 A1 20050317 US 2004-968674 20041019
 PRIORITY APPLN. INFO.:
 US 1999-471275 A 19991223
 US 2000-488725 A 20000121
 US 2000-496914 A 20000203
 US 2000-552317 A 20000425
 US 2000-560875 A 20000427
 US 2000-691291 A 20001017
 US 2000-543774 B1 20000405
 US 2000-215733P P 20000628
 WO 2000-US34977 W 20001222
 WO 2000-US35190 W 20001222
 US 2001-757562 B2 20010109
 US 2001-266614P P 20010205
 US 2001-802704 B1 20010308
 US 2001-282397P P 20010405
 US 2001-894912 A1 20010628
 AB The invention provides novel polynucleotides and polypeptides encoded by
 such polynucleotides and mutants or variants thereof that correspond to
 a novel human secreted phospholipase-like polypeptide. These
 polynucleotides comprise nucleic acid sequences isolated from cDNA
 library from human adult kidney (Invitrogen) (Hyseq clone identification
 number 11061354) and from human mixed tissue (Hyseq identification
 number 31909463). Other aspects of the invention include vectors
 containing processes for producing novel human secreted phospholipase-
 like polypeptides, and antibodies specific for such polypeptides.
 REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR
 THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L4 ANSWER 6 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2001:816928 HCAPLUS Full-text
 DOCUMENT NUMBER: 135:353878
 TITLE: Protein and cDNA sequences of human
 phospholipase C 85 sequence homolog, and
 uses thereof in therapy, diagnosis, and drug
 screening
 INVENTOR(S): Brandt, Silke; Duecker, Klaus; Gleitz, Johannes
 PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany
 SOURCE: PCT Int. Appl., 51 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001083771	A2	20011108	WO 2001-EP4784	20010427
<--				
WO 2001083771	A3	20020510		
W: CA, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
CA 2407601	AA	20011108	CA 2001-2407601	20010427
<--				
EP 1278871	A2	20030129	EP 2001-947248	20010427
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
JP 2003531618	T2	20031028	JP 2001-580378	20010427
US 2003100039	A1	20030529	US 2002-258860	20021029
PRIORITY APPLN. INFO.:				
			EP 2000-109318	A 20000429
			WO 2001-EP4784	W 20010427

AB This invention provides protein and cDNA sequences for a newly identified human protein PLCD5, which is believed to encode a novel member of phospholipase C δ 5 family, since it shows homol. with Rattus norvegicus phospholipase C δ 4. In one embodiment, the invention relates to diagnostic assays for detecting diseases associated with inappropriate PLCD5 sequence homolog activity or levels. Also disclosed are methods for utilizing sequence homolog in drug screening assays and in therapy directed against diseases associated with inappropriate PLCD5 sequence homolog activity or levels.

L4 ANSWER 7 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:114390 HCAPLUS Full-text

DOCUMENT NUMBER: 132:177441

TITLE: Cloning and sequence of human phospholipase A2 and therapeutical applications of the enzyme

INVENTOR(S): Choiu, Xue-Chiou C.; Kramer, Ruth M.; Pickard, Richard

T.; Sharp, John D.; Strifler, Beth A.

PATENT ASSIGNEE(S): Eli Lilly and Company, USA

SOURCE: U.S., 32 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6025178	A	20000215	US 1997-827208	19970328
<--				
US 6197569	B1	20010306	US 2000-500358	20000207
<--				
US 6242206	B1	20010605	US 2000-498809	20000207
<--				
PRIORITY APPLN. INFO.:			US 1996-14608P	P 19960329
			US 1997-41264P	P 19970319
			US 1997-827208	A3 19970328

AB The invention provides a novel human phospholipase A2 enzyme, polynucleotides encoding such enzyme and methods for screening unknown compds. for anti-inflammatory activity mediated by the arachidonic acid cascade. Amino acid and cDNA of the human phospholipase A2 are disclosed.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 8 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:568483 HCAPLUS Full-text

DOCUMENT NUMBER: 133:161283

TITLE: Cloning and sequence of human phospholipase A2 and its possible use for anti-inflammatory drug screening

INVENTOR(S): Kramer, Ruth Maria; Pickard, Richard Todd; Sharp, John

PATENT ASSIGNEE(S): David; Strifler, Beth Ann
Eli Lilly and Company, USA

SOURCE: U.S., 23 pp.
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 6103510	A	20000815	US 1998-45185	19980320

<--

PRIORITY APPLN. INFO.: US 1997-41571P P 19970321

AB The invention provides a novel human phospholipase A2, cDNA encoding the enzyme and methods for screening unknown compds. for anti-inflammatory activity mediated by the arachidonic acid cascade. The cDNA and encoded amino acid sequences of human phospholipase A2 are disclosed.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 9 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1997:599302 HCAPLUS Full-text

DOCUMENT NUMBER: 127:244815

TITLE: An endogenous human phospholipase A2 inhibitor similar to Crotalus neutralizing factor and a cDNA encoding it

INVENTOR(S): Hawkins, Phillip R.; Murry, Lynn E.

PATENT ASSIGNEE(S): Incyte Pharmaceuticals, Inc., USA

SOURCE: U.S., 45 pp., Cont.-in-part of U. S. Ser. No. 644,754.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5663059	A	19970902	US 1996-652859	19960523
<-- CA 2253541	AA	19971127	CA 1997-2253541	19970509
<-- WO 9744454	A2	19971127	WO 1997-US7872	19970509
<-- WO 9744454	A3	19971231		
W: AT, AU, BR, CA, CH, CN, DE, DK, ES, FI, GB, IL, JP, KZ, MX, NO, NZ, RU, SE, SG, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9731202	A1	19971209	AU 1997-31202	19970509
<-- EP 904372	A2	19990331	EP 1997-926432	19970509
<-- R: BE, DE, ES, FR, GB, IT, NL				
JP 2001520512	T2	20011030	JP 1997-542446	19970509
<-- US 5811520	A	19980922	US 1997-919706	19970829
<-- US 5948626	A	19990907	US 1998-153751	19980915
<-- US 2002102684	A1	20020801	US 2001-875520	20010606
PRIORITY APPLN. INFO.:			US 1996-644754	A2 19960510
			US 1996-652859	A 19960523
			WO 1997-US7872	W 19970509
			US 1997-919706	A3 19970829
			US 1998-153751	A3 19980915
			US 1999-364790	B1 19990730

AB A novel endogenous human phospholipase inhibitor (GIPL) that is similar to the neutralizing factor of Crotalus liver and a cDNA encoding it is cloned from a THP-1 cell line cDNA bank. The protein, or a sense or antisense DNA for it, can be of therapeutic use in controlling levels of phospholipase A2 in the treatment of inflammatory disease (no data). Antibodies to the protein also have diagnostic and therapeutic uses and expression systems can be used to screen for agonists or antagonists of the inhibitor (no data). Cloning of the cDNA by homol. searching of sequence databases is described.

L4 ANSWER 10 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2001:562884 HCAPLUS Full-text

DOCUMENT NUMBER: 136:227718

TITLE: Cloning and characterization of 5'-upstream region of

human phospholipase C- β 2 gene

AUTHOR(S): Yun, Eun Sook; Lee, Seung-Jae; Kim, Myung Jong; Ryu, Sung Ho; Suh, Pann-Ghill

CORPORATE SOURCE: Dept. Life Science, Pohang University of Science and Technology, Pohang, 790-784, S. Korea

SOURCE: Experimental and Molecular Medicine (2001), 33(2), 76-82

CODEN: EMMEF3; ISSN: 1226-3613

PUBLISHER: Korean Society of Medical Biochemistry and Molecular

DOCUMENT TYPE: Biology
LANGUAGE: Journal
English

AB 5'-Upstream region of the phospholipase C- β 2 gene, 810 bp, was cloned and characterized. S1 nuclease mapping and primer extension analyses revealed that a single transcriptional start site locates at 284 nucleotides upstream from the beginning of translation. The 5'-upstream region lacks both TATA motif and typical initiator sequence, but retains GC-rich segment. Two putative regulatory regions, a neg. region (-636/-588) and a pos. region (-98/-13) were identified in the upstream region of PLC- β 2 gene. We suggest that the transcription of PLC- β 2 may be regulated by binding of regulatory proteins to the neg. and/or pos. regulatory regions located in the upstream of the gene.

REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

=> d his

(FILE 'HOME' ENTERED AT 17:54:17 ON 29 MAR 2005)

FILE 'MEDLINE, HCAPLUS, EMBASE' ENTERED AT 17:54:40 ON 29 MAR 2005

L1 131 S HUMAN PHOSPHOLIPASE AND DNA
L2 112 DUP REM L1 (19 DUPLICATES REMOVED)
L3 45 S L2 AND 1995-2001/PY
L4 45 FOCUS L3 1-

=> log y

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
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PASSWORD:

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